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UTILITY PATENT APPLICATION TRANSMITTAL

(Only for nonprovisional applications under 37 CFR § 1.53(b))

Attorney Docket No.

501318.01

December 29, 2003

First Inventor or Application Identifier

Joseph M. Jeddeloh

Title

**MEMORY HUB AND METHOD FOR MEMORY SYSTEM
PERFORMANCE MONITORING**

Express Mail Label No.

EL 646074615 US

17548 U.S.PTO
10/74/984**APPLICATION ELEMENTS**

See MPEP chapter 600 concerning utility patent application contents.

ADDRESS TO:Mail Stop Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

- | | | |
|--|---|---|
| 1. <input checked="" type="checkbox"/> Fee Transmittal Sheet (+ copy)
<i>(Submit an original and a duplicate for fee processing)</i> | 7. <input type="checkbox"/> CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix) | |
| 2. <input type="checkbox"/> Applicant(s) Claim(s) Small Entity Status | 8. <input type="checkbox"/> Nucleotide and/or Amino Acid Sequence Submission
<i>(if applicable, all necessary)</i> | |
| 3. <input checked="" type="checkbox"/> Specification [Total Pages]
<i>(preferred arrangement set forth below)</i> | 20 | a. <input type="checkbox"/> Computer-Readable Form (CRF) |
| - Descriptive Title of the Invention | | |
| - Cross References to Related Applications | | |
| - Statement Regarding Fed sponsored R & D | | |
| - Reference to Microfiche Appendix | | |
| - Background of the Invention | | |
| - Brief Summary of the Invention | | |
| - Brief Description of the Drawings <i>(if filed)</i> | | |
| - Detailed Description | | |
| - Claim(s) | | |
| - Abstract of the Disclosure | | |
| 4. <input checked="" type="checkbox"/> Drawing(s) (35 USC 113) [Total Sheets] | 3 | b. <input type="checkbox"/> Specification Sequence Listing on:
i. <input type="checkbox"/> CD-ROM or CD-R (2 copies); or
ii. <input type="checkbox"/> paper |
| 5. <input checked="" type="checkbox"/> Oath or Declaration [Total Pages] | 1 | c. <input type="checkbox"/> Statement verifying identity of above copies |
| a. <input checked="" type="checkbox"/> Newly executed (original or copy) | | |
| b. <input type="checkbox"/> Copy from a prior application (37 CFR 1.63(d))
<i>(for continuation/divisional with Box 18 completed)</i> | | |
| i. <input type="checkbox"/> <u>DELETION OF INVENTOR(S)</u>
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b) | | |
| 6. <input checked="" type="checkbox"/> Application Data Sheet (37 C.F.R. 1.76) | | |
| ACCOMPANYING APPLICATION PARTS | | |
| 9. <input type="checkbox"/> Certification Under 35 U.S.C. 122(b)(2)(B)(i) | | |
| 10. <input checked="" type="checkbox"/> Assignment Papers (cover sheet & document(s)) | | |
| 11. <input checked="" type="checkbox"/> 37 CFR 3.73(b) Statement
<i>(when there is an assignee)</i> | <input checked="" type="checkbox"/> Power of Attorney | |
| 12. <input type="checkbox"/> English Translation Document <i>(if applicable)</i> | | |
| 13. <input type="checkbox"/> Preliminary Amendment | Total Pages _____ | |
| 14. <input checked="" type="checkbox"/> Return Receipt Postcard | | |
| 15. <input checked="" type="checkbox"/> Information Disclosure Statement (IDS)/PTO-1449 | <input checked="" type="checkbox"/> Copies of IDS Citations | |
| 16. <input type="checkbox"/> Certified Copy of Priority Document(s)
<i>(if foreign priority is claimed)</i> | | |
| 17. <input checked="" type="checkbox"/> Other: <u>Certificate of Express Mail Check</u> | | |

18. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information below and in a preliminary amendment

 Continuation Divisional Continuation-In-Part (CIP) of prior Application No.: _____ Filed _____

Prior application information: Examiner _____ Group / Art Unit _____

 Incorporation By Reference *(useable if box 5b is checked)*
The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 5b, is considered to be part of the disclosure of the accompanying application and is hereby incorporated by reference therein.
CORRESPONDENCE ADDRESS

Edward W. Bulchis, Esq.

Dorsey & Whitney LLP
1420 Fifth Avenue, Suite 3400
Seattle, Washington 98101-4010
(206) 903-8800 phone / (206) 903-8820 fax

Customer No. 27,076

TYPED or PRINTED NAME Steven H. Arterberry

REGISTRATION NO. 46,314

SIGNATURE Steve ArterberryDate 12/29/03

16638
122903
U.S.PTO

FEE TRANSMITTAL SHEET (FOR FY 2004)

Complete if Known

Express Mail No.	EL 646074615 US
Filing Date	Concurrently Herewith
First Named Inventor	Joseph M. Jeddelloh
Group Art Unit	Not Yet Assigned
Examiner	Not Yet Assigned
Atty. Docket Number	501318.01

METHOD OF PAYMENT (Check One)

1. The Commissioner is hereby authorized to charge any additional fee required under 37 C.F.R. §§ 1.16 and 1.17 and 1.136(a)(3) and credit any over payments to Deposit Account No.: 50-1266; Deposit Account Name: DORSEY & WHITNEY LLP

2. Check Enclosed

FEE CALCULATION

1. BASIC FILING FEE

Large Entity		Small Entity		<u>Fee Description</u>	<u>Fee</u>
<u>Fee Code</u>	<u>Fee (\$)</u>	<u>Fee Code</u>	<u>Fee (\$)</u>		
1001	770	2001	385	[X] Utility Filing Fee	
1002	340	2002	170	[] Design Filing Fee	
1003	530	2003	265	[] Plant Filing Fee	
1004	770	2004	385	[] Reissue Filing Fee	
1005	160	2005	80	[] Provisional Filing Fee	
Subtotal (1)		\$770			

2. EXTRA CLAIM FEES

Current Claims	Prior	Extra	Fee	Fee Paid
Total 34	- 20	= 14	x \$ 18	= \$ 252
Ind. 4	- 3	= 1	x \$ 86	= \$ 86
Multiple Dependent Claims			x \$	= \$
Subtotal (2)		\$ 338		

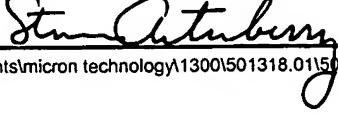
Large Entity		Small Entity		<u>Fee Description</u>	<u>Fee</u>
<u>Fee Code</u>	<u>Fee (\$)</u>	<u>Fee Code</u>	<u>Fee (\$)</u>		
1202	18	2202	9	Claims in excess of 20	
1201	86	2201	43	Independent claims in excess of 3	
1203	290	2203	145	Multiple dependent Claim	
1204	86	2204	43	Reissue independent claims over original patent	
1205	18	2205	9	Reissue claims in excess of 20 and over original patent	

3. ADDITIONAL FEES

Large Entity	Small Entity	Fee Description	Fee paid
1051	130	2051	65 Surcharge - Late filing fee or oath
1052	50	2052	25 Surcharge - late provisional filing fee or cover sheet
1053	130	1053	130 Non-English specification
1812	2,520	1812	2,520 For Filing a Request for ex parte Reexamination
1804	920	1804	920 Requesting publication of SIR prior to Examiner action
1805	1,840	1805	1,840 Requesting publication of SIR after Examiner action
1251	110	2251	55 Extension for reply within first month
1252	420	2252	210 Extension for reply within 2 nd month
1253	950	2253	475 Extension for reply within 3 rd month
1254	1,480	2254	740 Extension for reply within 4 th month
1255	2,010	2255	1,005 Extension for reply within 5 th month
1401	330	2401	165 Notice of Appeal
1402	330	2402	165 Filing a brief in support of an appeal
1403	290	2403	145 Request for oral hearing
1814	110	2814	55 Terminal Disclaimer Fee
1452	110	2452	55 Petition to revive – unavoidable
1453	1,330	2453	665 Petition to revive – unintentional
1501	1,330	2501	665 Utility/Reissue issue fee
1502	480	2502	240 Design issue fee
1503	640	2503	320 Plant issue fee
1460	130	1460	130 Petitions to the Commissioner
1807	50	1807	50 Processing fee under 37 CFR 1.17(q)
1806	180	1806	180 Submission of IDS
8021	40	8021	40 Recording each patent assignment per property (times number of properties)
1801	770	2801	385 Request for Continued Examination (RCE)
Other fee (specify)			
Subtotal (3)		\$ 40	

Total Amount of Payment: \$ 1148

Submitted by:

Name: Steven H. Arterberry	Reg. No.: 46,314	Telephone: (206) 903-8800
Signature: 		Date: <u>12/29/03</u>

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Joseph M. Jeddelloh Attorney Docket No.: 501318.01
Filed : December 29, 2003
Title : MEMORY HUB AND METHOD FOR MEMORY SYSTEM PERFORMANCE MONITORING

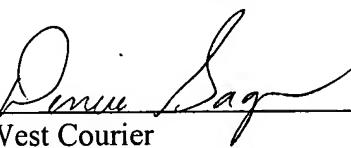
CERTIFICATE OF MAILING BY "EXPRESS MAIL"

MAIL STOP PATENT APPLICATION
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

I hereby certify that the enclosures listed below are being deposited with the United States Postal Service "EXPRESS MAIL Post Office to Addressee" service under 37 C.F.R. § 1.10, Mailing Label Certificate No. EL 646074615 US, on December 29, 2003, addressed to Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Respectfully submitted,
DORSEY & WHITNEY LLP



/ for West Courier

EWB:dms

Enclosures:

Postcard
Check
PTO/SB/05 Utility Patent Application Transmittal
Application Data Sheet
Fee Transmittal Sheet (+ copy)
General Authorization
Specification, Claims, Abstract (20 pages)
3 Sheets of Drawings (Figures 1-3)
Declaration
Election and Power of Attorney
Form PTO-1595
Assignment
Information Disclosure Statement
Form PTO-1449, Cited Reference (1)

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Joseph M. Jeddelloh

Attorney Docket No.: 501318.01

Filed : Concurrently Herewith

Title : MEMORY HUB AND METHOD FOR MEMORY SYSTEM PERFORMANCE MONITORING

GENERAL AUTHORIZATION

Mail Stop Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

With respect to the above-identified application, the Commissioner is authorized to charge any fees under 37 C.F.R. §§ 1.16 and 1.17 which may be required and to treat any concurrent or future reply requiring a petition for an extension of time under 37 C.F.R. § 1.136(a)(3) for its timely submission as incorporating a petition therefor for the appropriate length of time and to charge any fees which may be required during the course of prosecution, or credit any overpayment, to Deposit Account No. 50-1266.

Date 12/29/03

Steven H. Arterberry
Registration No. 46,314

EWB:dms

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